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(71)Applicant : NISSAN MOTOR CO LTD

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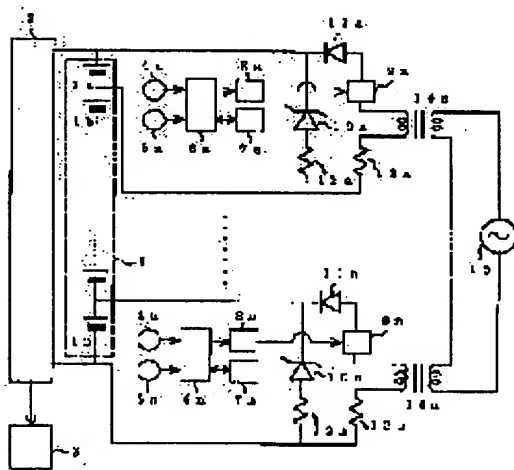
(72)Inventor : HORIE HIDEAKI

(54) CHARGING EQUIPMENT OF COMBINED BATTERY

(57)Abstract:

PURPOSE: To increase a discharge capacity as a combined battery and also to suppress the deterioration of a specify by a method wherein the amount of charge to be replenished is computed for each cell or each module on the basis of voltage and current values detected and replenishment charging is conducted selectively for each cell or each module.

CONSTITUTION: AC power given from an AC power source 15 is supplied from a transformer 14a to a diode 11a through a current control element 9a, rectified by the diode and then given to a battery 1a. An arithmetic device 6a computes the amount of replenishment charge on the basis of voltage and current values determined by a voltage sensor 4a and a current sensor 5a and controls a current control circuit 8a in accordance with the value of the amount. The current control circuit 8a controls the current control element 9a to open and close in accordance with the result of computation so as to charge the battery 1a with a necessary amount of replenishment charge. In the case when all batteries 1a to 1n are charged under the same condition, current control elements 9a to 9n are controlled to be kept in an opened state until the battery reaching a charging end voltage is detected.



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